PIONEER®

Service Manual

ORDER NO.
CRT1015

CD PLAYER SWITCHING UNIT FOR COMPONENT CAR STEREO

CD-404

E

- This product is a switching relay to connect the TUNER and CD PLAYER to the AUX input of the COMPONENT CAR STEREO.

SPECIFICATIONS

Dimensions . . . . . 77 (W) × 30 (H) × 81 (D) mm
Weight . . . . . 265 g

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1. CONNECTION

- Connect the wires as shown:

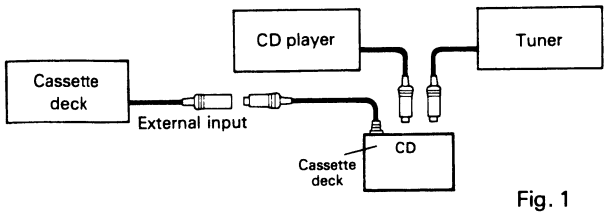


Fig. 1

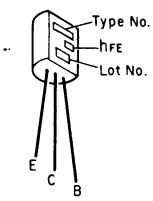
- When the CD player is in use, the tuner and the cassette deck should be OFF.

Note:

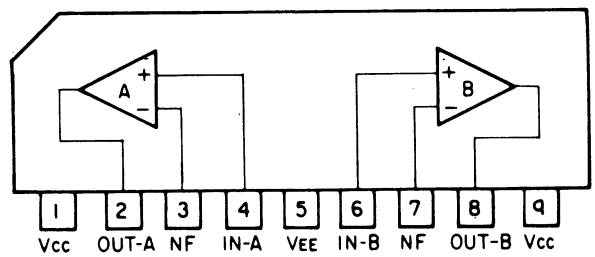
- Avoid installation in the following areas:
  * Near heater ducts. Excessive heat can cause malfunction.
  * On the floor in front of the driver's seat. Do not install where there is possiblity that the unit will impair safe operation of the vehicle.

- **IC and Transistor**

2SD667



IC1 : TA75558S



2. SCHEMATIC CIRCUIT DIAGRAM

MODE	VOLT
CASSETTE DECK ON	0.5V
CD PLAYER ON	13.9V
TUNER ON	0.5V

(Is "H" level while the CD PLAYER is in operation.)

MODE	VOLT
CASSETTE DECK ON	12.5V
CD PLAYER ON	12.4V
TUNER ON	11.9V

MODE	VOLT
CASSETTE DECK ON	13.2V
CD PLAYER ON	13.1V
TUNER ON	12.6V

(Is "H" level while the CD PLAYER or TUNER is in operation.)

MODE	VOLT
CASSETTE DECK ON	13.4V
CD PLAYER ON	0V
TUNER ON	12.8V

(The CD PLAYER is OFF at "H" level.)

MODE	VOLT
CASSETTE DECK ON	14.1V
CD PLAYER ON	0V
TUNER ON	0V

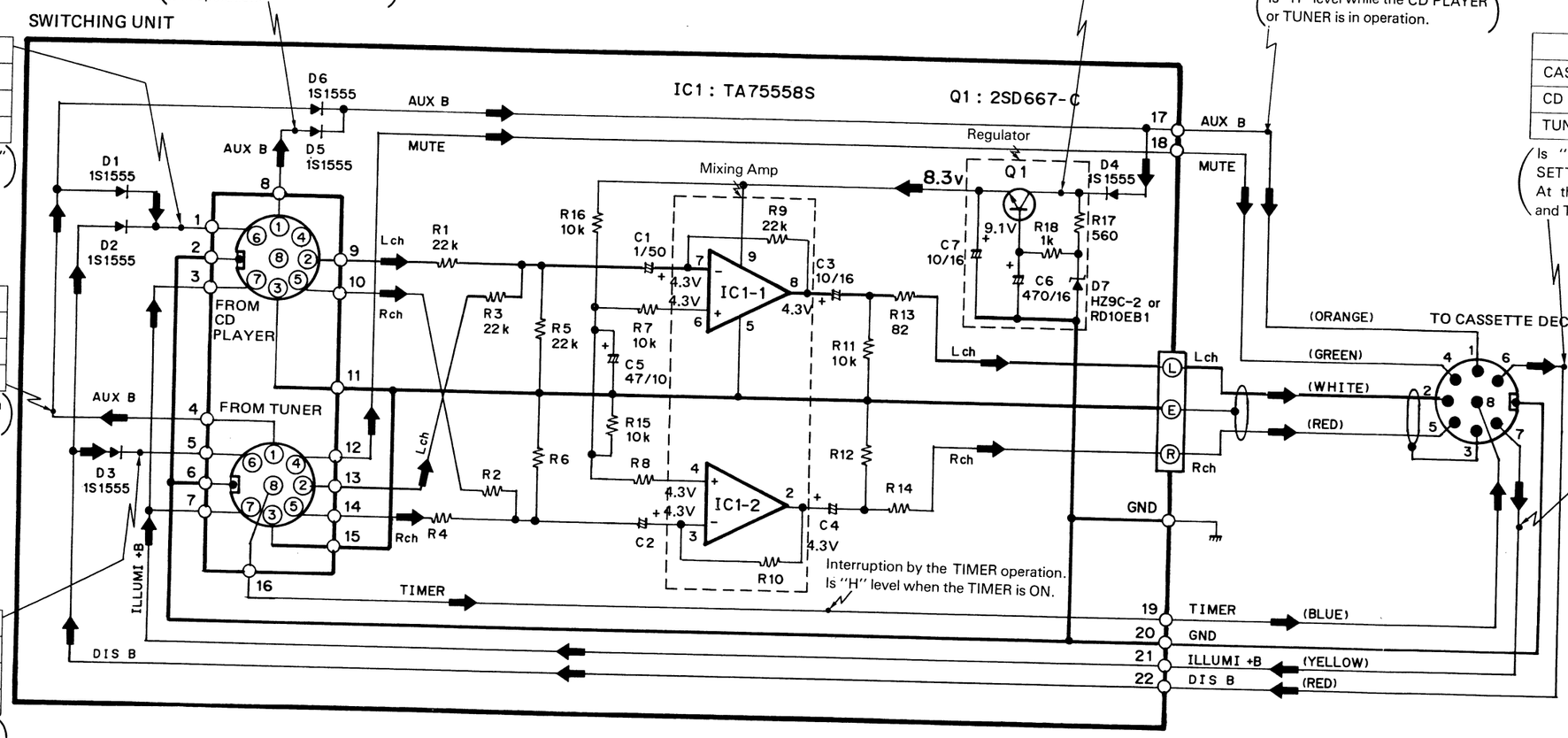
(Is "H" level while the CASSETTE DECK is in operation. At this time, the CD PLAYER and TUNER are OFF.)

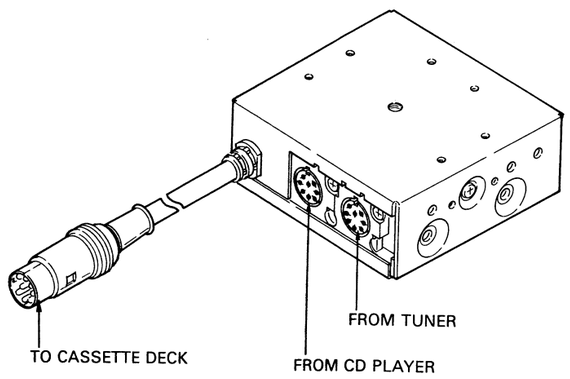
MODE	VOLT
CASSETTE DECK ON	0V
CD PLAYER ON	0V
TUNER ON	13.4V

(Is "H" level while the TUNER is in operation.)

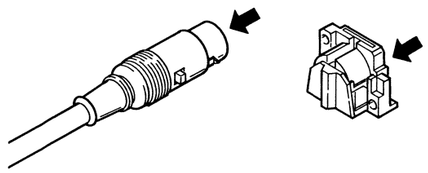
MODE	VOLT
CASSETTE DECK ON	13.4V
CD PLAYER ON	0V
TUNER ON	0V

(Is "H" level while the CASSETTE DECK is in operation.)





NOTE:
The front views of the connectors are those seen in the directions indicated by the arrows.



NOTE:
The color in parentheses indicates the colors of lead.

NOTE:
Priority sequence when CD player and tuner are connected to cassette deck.

1. When the cassette deck or CD player is in operation, the tuner timer is ON (when timer function is built into tuner), and it enters the tuner mode.
2. The CD player and tuner are inoperable when the cassette deck is in operation.
3. When the CD player or tuner can be used individually. However, the tuner is given priority when the power of both units is ON.

Fig. 2

3. CONNECTION DIAGRAM

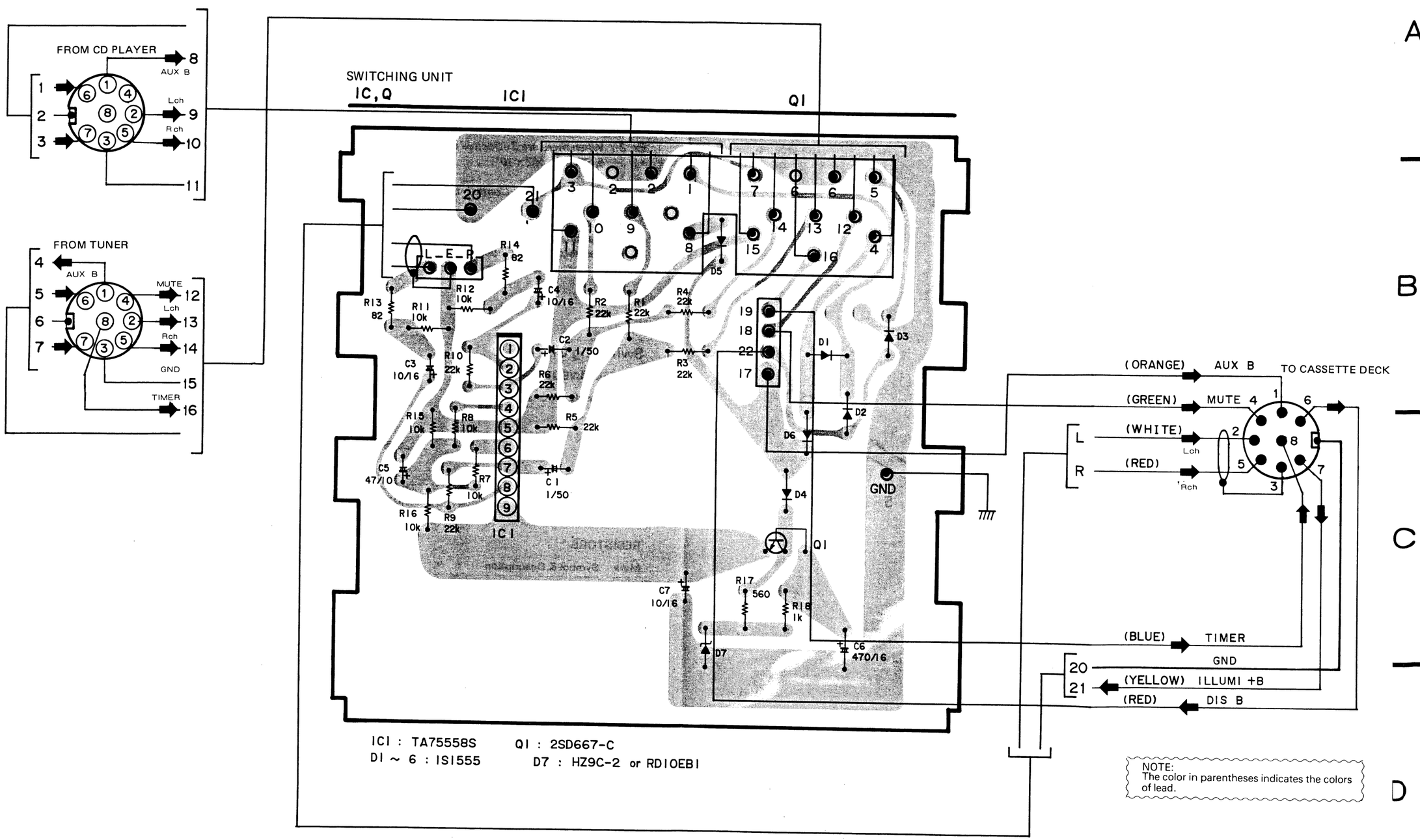


Fig. 3

4. EXPLODED VIEW

NOTE:

- *Parts whose parts numbers are omitted are subject to being not supplied.*

• Parts List

Mark	No.	Part No.	Description
	1.		Case
	2.	BMZ26P040FMC	Screw
	3.	BMZ26P060FMC	Screw
	4.	CKS-549	Connector
	5.	CZD2016	Connector
	6.		Insulator
	7.		Chassis

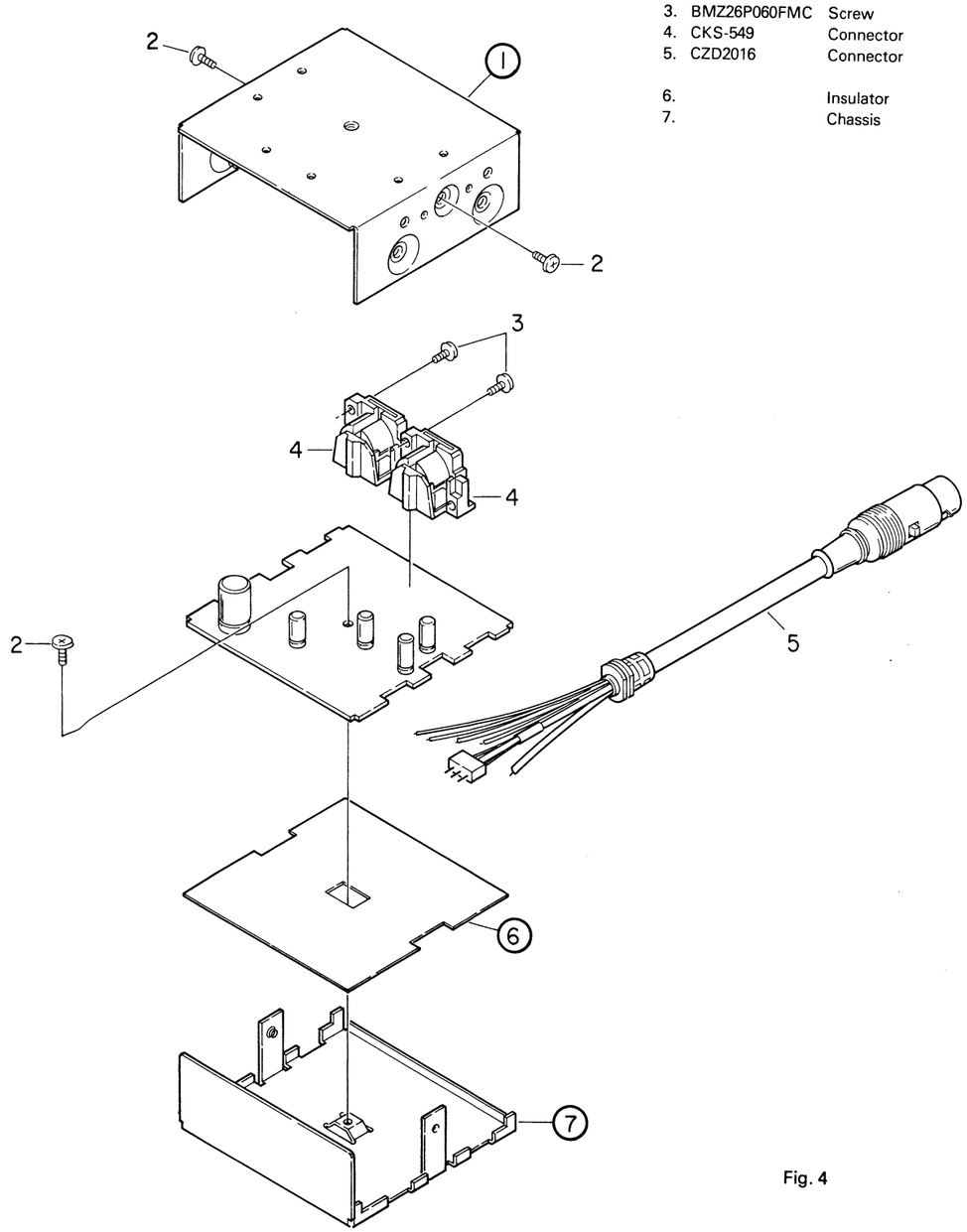


Fig. 4

5. ELECTRICAL PARTS LIST

NOTE:

When ordering resistors, first convert resistance values into code form as shown in the following examples.

Ex. 1 *When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J = 5%, and K = 10%).*

560Ω	*56 × 10¹*	*561*	*RD1/4PS 5 6 1 J*
47kΩ	*47 × 10³*	*473*	*RD1/4PS 4 7 3 J*
0.5Ω	*0R5*		*RN2H 0 R 5 K*
1Ω	*010*		*RS1P 0 1 0 K*

Ex. 2 *When there are 3 effective digits (such as in high precision metal film resistors).*

5.62kΩ	*562 × 10¹*	*RN1/4SR 5 6 2 1 F*

- *For your Parts Stock Control, the fast moving items are indicated with the marks ★★ and ★.*
  ★★: GENERALLY MOVES FASTER THAN ★.
  This classification shall be adjusted by each distributor because it depends on model number, temperature, humidity, etc.
- *Parts whose parts numbers are omitted are subject to being not supplied.*

Switching Unit

MISCELLANEOUS

Mark	Symbol & Description	Part No.
★★	IC1	TA75558S
★★	Q1	2SD667-C
★	D1 – 6	1S1555
★	D7	HZ9C-2 or RD10EB1

RESISTORS

Mark	Symbol & Description	Part No.
	R1 – 18	RD1/4VM□□□J

CAPACITORS

Mark	Symbol & Description	Part No.
	C1, 2	CEA010M50L2
	C3, 4, 7	CEA100M16L2
	C5	CEA470M10L2
	C6	CEA471M16L2

6. PACKING METHOD

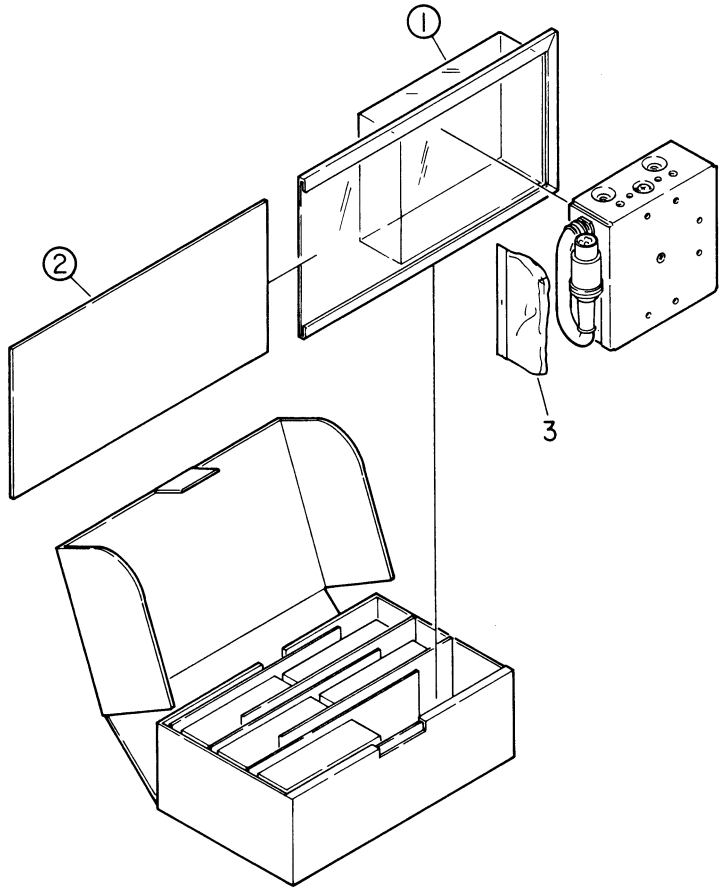


Fig. 5

NOTE:

- *Parts whose parts numbers are omitted are subject to being not supplied.*

• Parts List

Mark	No.	Part No.	Description
	1.		Film
	2.		Cover
	3.	CEA-345	Accessory Assy
	3-1.	BMZ30P050FMC	Screw
	3-2.	BYC40P120FMC	Screw
	3-3.		Bracket